# **EXHIBIT U**

### ETHICO N.INC.

P.O. BOX 151
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October 15, 1992

cc: B. Matlaga
J. McDivitt

A. Melveger RDCF

Mark Cafone

SEVEN YEAR DATA FOR TEN YEAR PROLENE™ STUDY: ERF 85-219

This report contains a summary of IR, IV, GPC, OM and SEM data supporting this study.

#### IR and IR Microspectroscopy (D.Burkley)

IR examinations were done for all explants at all sites to verify the suture identity for each explant. For all explanted sutures recovered from all 6 sites for every dog in this study, IR data showed each suture to be correctly identified.

IR microspectroscopy was used to examine cracked areas in ETHILON, Novafil and PROLENE™ explants. IR spectra obtained for cracked PROLENE specimens (Figure A) showed possible evidence of slight oxidation (a broadened weak absorbance at about 1650 cm-1). IR spectra obtained for cracked areas of ETHILON and Novafil did not differ from uncracked areas (Figures B and C), but expected IR absorbances for oxidation would be masked by the strong carbonyl absorbances normally observed for these sutures. Figures D and E show pictures of the areas examined by IR microspectroscopy for ETHILON and Novafil.

#### IV and GPC (E.Muse)

Gel Permeation Chromatography (GPC) was run on PROLENE sutures explanted from dogs after seven years. The GPC data was compared to data from a current 4/0 PROLENE suture. The results indicate that there was no significant difference in molecular weight between the 4/0 PROLENE control and the seven year explants.

The following PROLENE explant samples were analyzed:

Dog 1995 - site 3 (SR33853)
Dog 2007 - sites 1 and 6 (SR34003)
Dog 2008 - site 2 (SR34066)
Dog 2019 - sites 2 and 3 (SR34180)

The GPC analysis was run on the Waters 150C GPC at 140°C using 1,2,4 trichlorobenzene as a mobile phase with Waters GPC columns. The instrument was calibrated with polypropylene standards.

Inherent Viscosity (IV) was determined on ETHILON $^{\text{M}}$  and Novafil sutures explanted from dogs after seven years. The IV data $^1$  was compared to IV data from one and two year explants. The following results were found:

- No significant differences were seen in IV values after one and two years.
- 2) Seven year IV values ranged from 75% to 93% of the one and two year IV values for ETHILON sutures.
- 3) Seven year IV values ranged from 75% to 90% of the one and two year values for Novafil.

The dog explant samples examined were from duplicate sites on four dogs for each time period (one, two and seven years). The IV data was determined using concentrations of 0.1 dl/g with HFIP as a solvent at 25°C.

OPTICAL MICROSCOPY and SCANNING ELECTRON MICROSCOPY (E.Lindemann)

#### Conclusions

- The 7 year in-vivo results generally substantiated the five year findings. They also closely correspond to the observations of explanted sutures from the dog that died prematurely after 6 years and 10.5 month implantation time.
- Degradation in PROLENE is still increasing and PVDF, even though a few cracks were found, is still by far the most surface resistant in- house made suture in terms of cracking.
- Of the eight explanted ETHILON sutures all showed heavy cracking and, in many cases, abrasion of the dyed surface layer. A decrease in the suture diameter was apparent in several cases.
- Cracks were not found in the seven Novafil explants. However a few longitudinal scratches probably due to mechanical damage and one longitudinal crack were observed.

#### Introduction

In November 1985 twenty-four dogs had been implanted with sets of ETHILON, PROLENE, PVDF and Novafil sutures for a ten year study. In 1990, after five years, explants from 5 beagle dogs were described in "TEN YEAR IN-VIVO STUDY SCANNING ELECTRON MICROSCOPY FIVE YEAR REPORT" by Elke Lindemann. The next explantation, after 7 years, was to start in June 1992. However, after 6 years and 10.5 months dog #1995 died prematurely. The microscopical examination of those explants was described in "TEN YEAR IN-VIVO STUDY: SCANNING ELECTRON AND LIGHT MICROSCOPY INTERIM REPORT ON DOG #1995 AFTER 6 YEARS, 10.5 MONTH, SR# 33788 and are included in the conclusion section of this report. In June of 1992 after 7 years, sutures were explanted from another set of 4 dogs. This report presents the results of the light and scanning electron microscopical examination of those explants.

<sup>&</sup>lt;sup>1</sup>SR33853, SR34003, SR34066, SR34180

#### Experimental

Four dogs had been implanted in November 1985 with the following 5-0 sutures:

	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
Dog 2001	PVDF	ETHILON	Novafil	PROLENE	PROLENE	Novafil
Dog 2007	PROLENE	Novafil	ETHILON	PVDF	PVDF	PROLENE
Dog 2019	Novafil	PROLENE	PROLENE	PVDF	ETHILON	ETHILON
Dog 2008	ETHILON	PROLENE	Novafil	PVDF	ETHILON	PVDF

Starting in June of this year the above dogs were sacrificed in weekly intervals. Approximately 20cm long sections of the explanted sutures were received in microscopy in glass vials which were kept refrigerated until they were examined.

Also the explanted LC 100 clip with about 2cm of each suture bundle was delivered in the same vial. The clip and the attached sutures were still deeply embedded in the surrounding tissue. These 'not cleaned' sutures were supposed to answer the question whether the process of cleaning and tissue removal might be responsible for an observed cracking. The primary concern of this study was however to examine the long pieces of explanted suture. Most of these specimens were still surrounded with some tissue, fortunately at a level low enough not to obscure examination in the light microscope under transmitted light. It was possible to examine the embedded PROLENE suture where the cracking of the suture was seen through the tissue. For this reason and time constrains the clip-attached sutures were not examined at this time.

To show that the drying and coating with a metal under vacuum, necessary for SEM examination, did not introduce cracking and other surface defects each strand of each long suture was 100% inspected in the Olympus Light Microscope in water. Oil, the usual medium for light microscopical inspection, was not chosen for this examination in order to eliminate surface changes during sample preparation. To cut down on lensing effects of the curved suture, the samples were photographed in polarized light using a 10x phase condenser with an ordinary transmitted light 20x objective (a 20x phase condenser was not available). The light diffraction introduced by the phase condenser was enough to allow an easier plane of the at the focal largest diameter. Photomicrographs were prepared at 285x of areas which showed surface changes.

Strands of the suture including the above areas were then prepared for SEM observation in the JEOL JSM 840 AII by coating them under vacuum with gold to provide an electron conductive surface. Photomicrographs were prepared at 500x magnification.

#### Results

# 1) LM and SEM of PROLENE suture explants from seven implantation site.

In Figure 1A through 1D one area per site from each of the four dogs is shown in transmitted light. Out of seven sites cracking was found on PROLENE sutures from three sites. Notice the cracks observable through the still adhering tissue in Figure 1A in the suture from site 2.

In Figure 1 and 2 SEM views of areas are shown after most of the tissue had been carefully removed. Again out of seven sites sutures from three sites had areas which showed cracking.

# 2) LM and SEM of ETHILON suture explants from six implantation sites.

In Figure 3A through 3C sutures are shown from six different sites. Transmitted light allowed visualization of the differences between the intact dyed surface layer and the underlying colorless layers of the suture. In Figure 3A site 5 and Figure 3C site 3 the colorless area had not only lost its dyed surface layer but was abraded to such a degree that a decrease in suture diameter was found.

In Figures 3 and 4 the cracking and abrasion on sutures from all six sites, as observed with the SEM, is shown. Here also the decrease in diameter is particularly dramatic in Figure 3 site 1.

#### 3) LM and SEM of PVDF suture explants from six implantation sites.

Figure 5A through 5C show six sites of PVDF explants as seen with the light microscope. Notice the intact surface on all the sutures.

In Figures 5 and 6 the SEM examination of the PVDF sutures is shown. Only on the suture from one site (Figure 6 site 6) some cracks are found. The surfaces of the sutures from the other five sites show some striations which could be mechanical damage, otherwise the surfaces look intact. The contaminant on the site 4 (Figure 5) suture is tissue which had not been removed completely.

# 4) LM and SEM of Novafil suture explants from five implantation sites.

Figure 7A through 7C show the Novafil sutures as observed with the light microscope. All surfaces from all sites look undamaged. Figure 7 and 8 show the SEM examination of these sutures. A few longitudinal scratches and cracks were found, see sites 1,2,3 (Figure 7,8). Also on the site 2 suture (Figure 8) still adhering tissue is found.

#### 5) Degradation dependency on implantation site

To probe the question as to whether one implantation site might be more or less stressful towards the suture, a comparison was made of the six sites.

	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
Dog 1995	ETHILON cracks	PVDF	PROLENE cracks	Novafil	Novafil cracks	ETHILON cracks
Dog 2001	PVDF	ETHILON cracks	Novafil	PROLENE	PROLENE cracks	Novafil
Dog 2007	PROLENE	Novafil scratch	ETHILON cracks	PVDF	PVDF	PROLENE cracks
Dog 2019	Novafil scratch	PROLENE	PROLENE	PVDF	ETHILON cracks	ETHILON cracks
Dog 2008	ETHILON cracks	PROLENE cracks	Novafil cracks	PVDF	ETHILON cracks	PVDF cracks

The only site, in the 5 dogs of this study, from which sutures were explanted that showed no surface damage was site 4. However, of those five sutures three were PVDF and one was Novafil. Those are the sutures that showed only marginal surface changes in this study. Therefore this observation can be discounted.

Elke Lindemann

moum

Eugene P. Muse

Course Music

Daniel F. Burkley

Attachment

7YEAR.DFB

Figure A - Comparison IR Spectra of Cracked and Non-cracked Regions of PROLENE (SR33788)

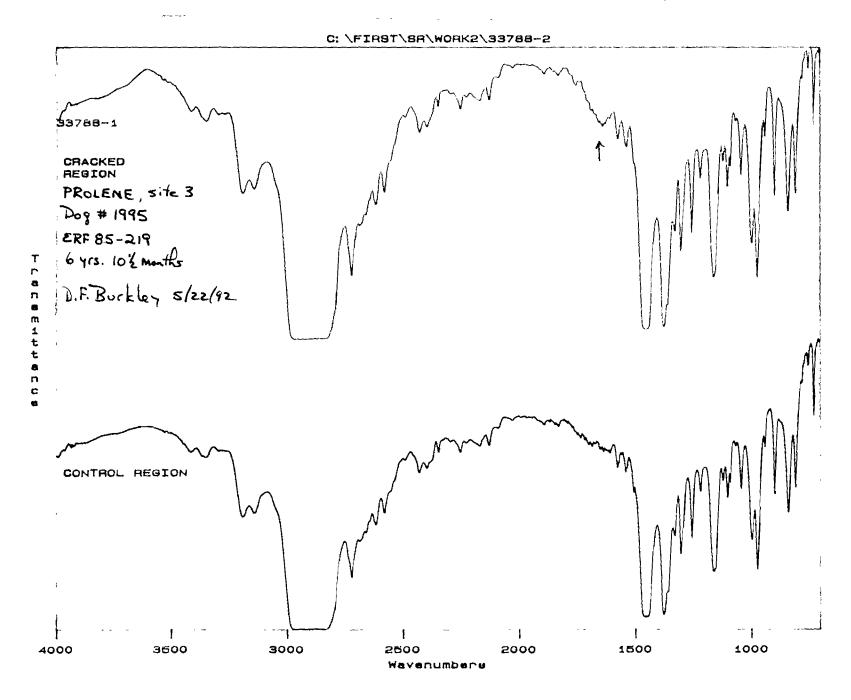


Figure B - Comparison IR Spectra of Cracked and Non-cracked Regions of ETHILON (SR33853)

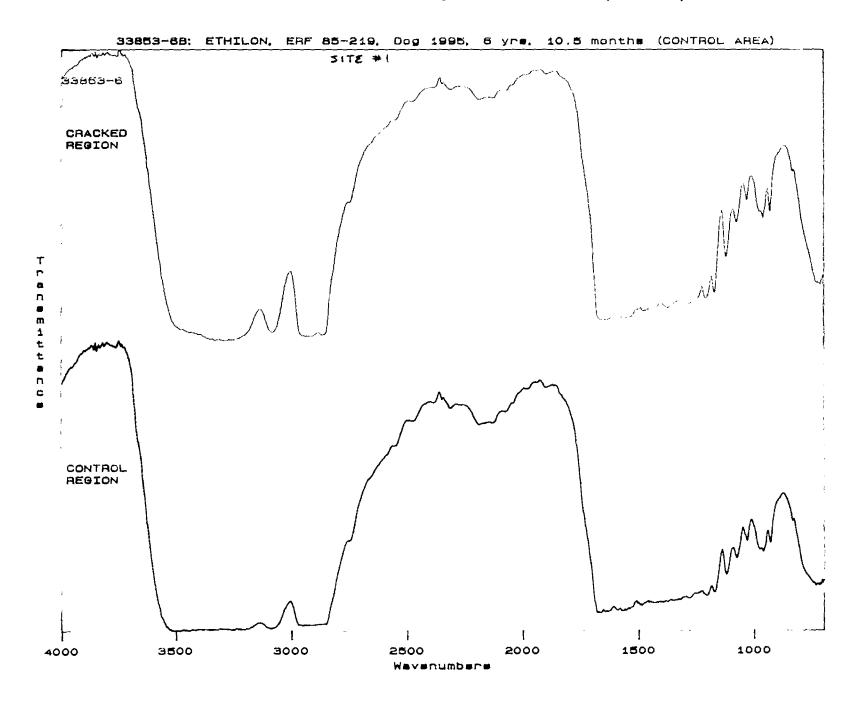
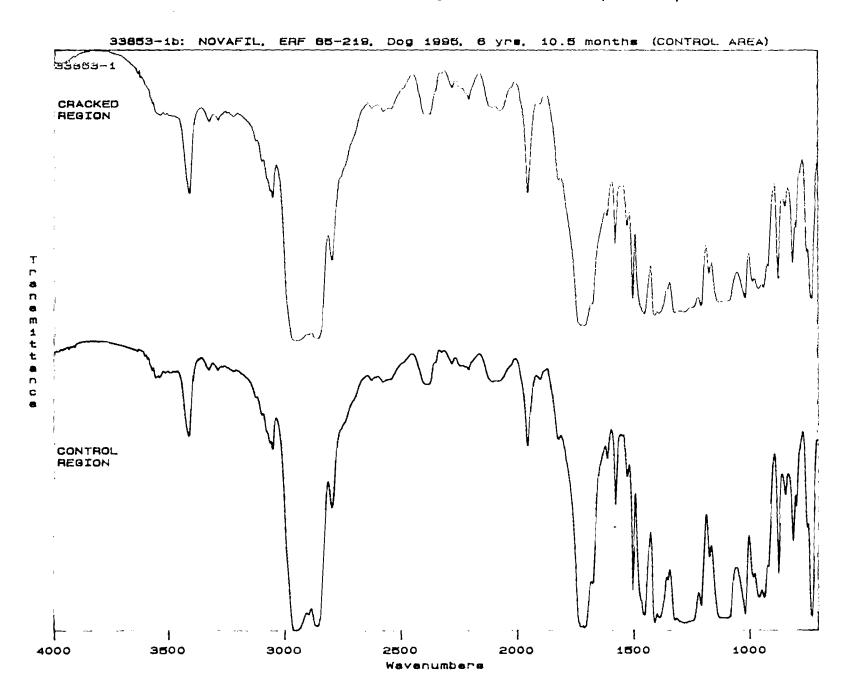


Figure C - Comparison IR Spectra of Cracked and Non-cracked Regions of Novafil (SR33853)



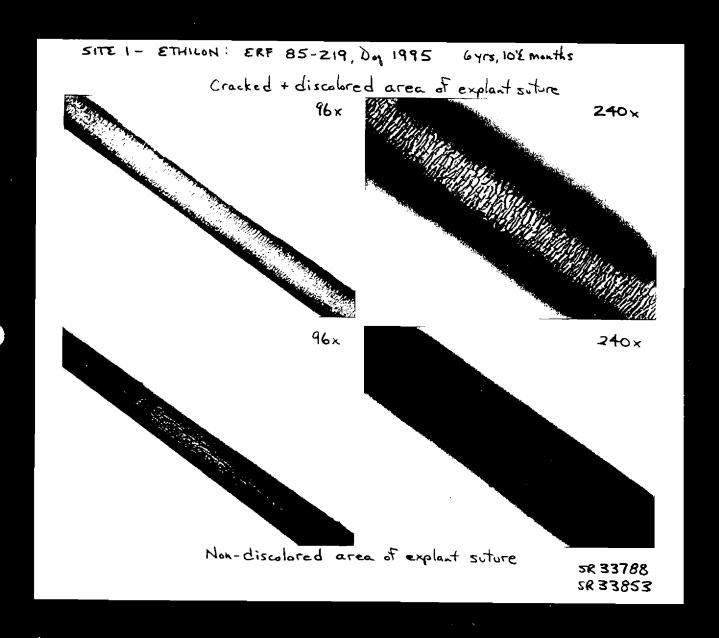


Figure D - Comparison Pictures of Cracked and Non-cracked Regions of ETHILON (SR33853)

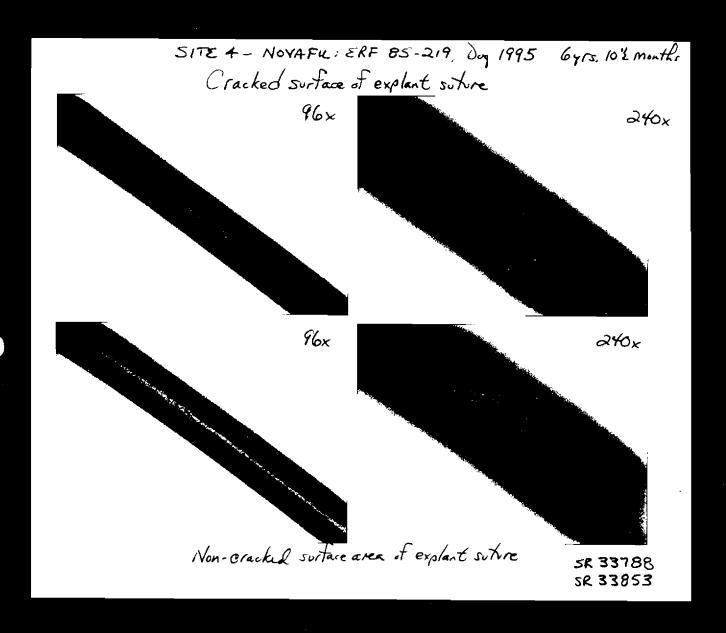
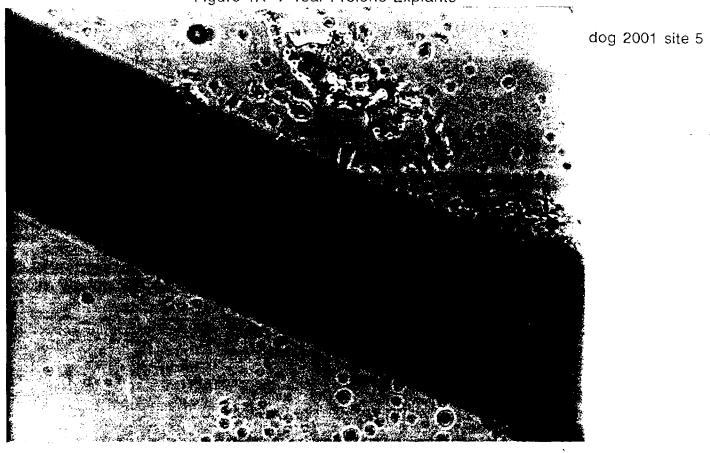


Figure E - Comparison Pictures of Cracked and Non-cracked Regions of Novafil (SR 33853)





dog 2008 site 2

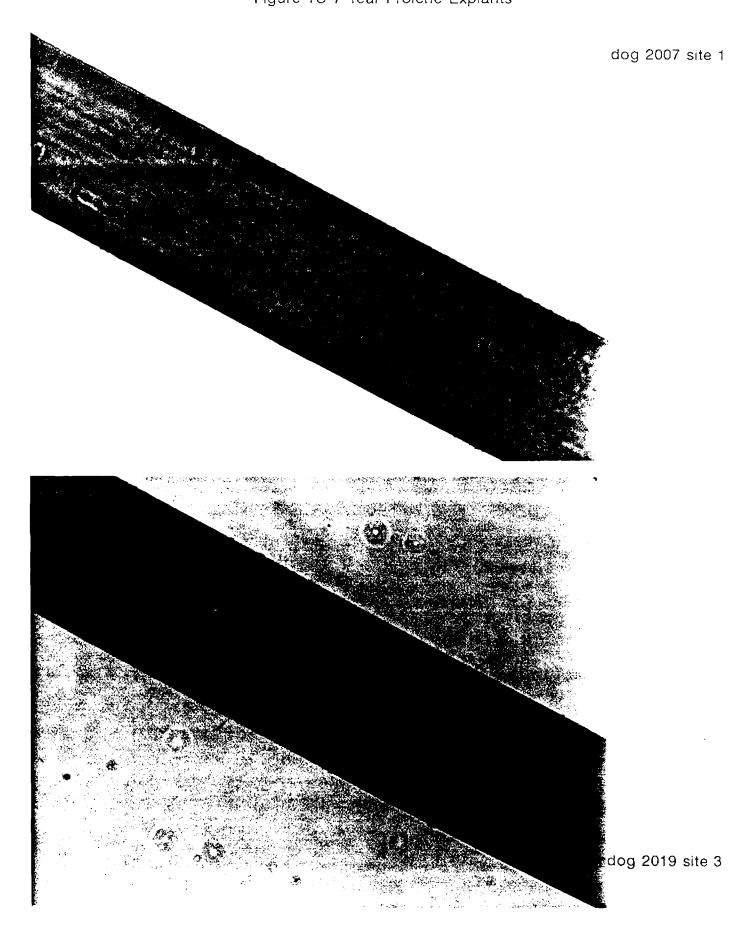
E. Lindemann 7/9/92 SR# 33985

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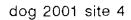
Figure 1B 7 Year Prolene Explants

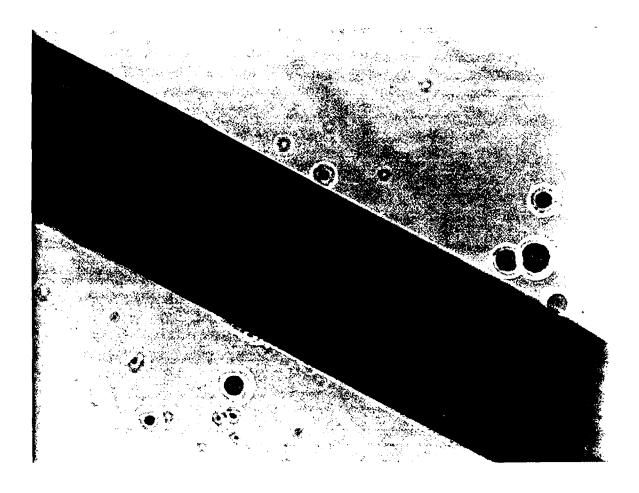


E. Lindemann 7/9/92 SR# 33985



E. Lindemann 7/9/92 SR# 33985





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Figure 1 7 Year Prolene Explants

dog 2001 site 5 dog 2008 site 2 TOHW MIZE 10 km MD38 dog 2007 site 6

X500 10 m WD37

Figure 2 7 Year Prolene Explants

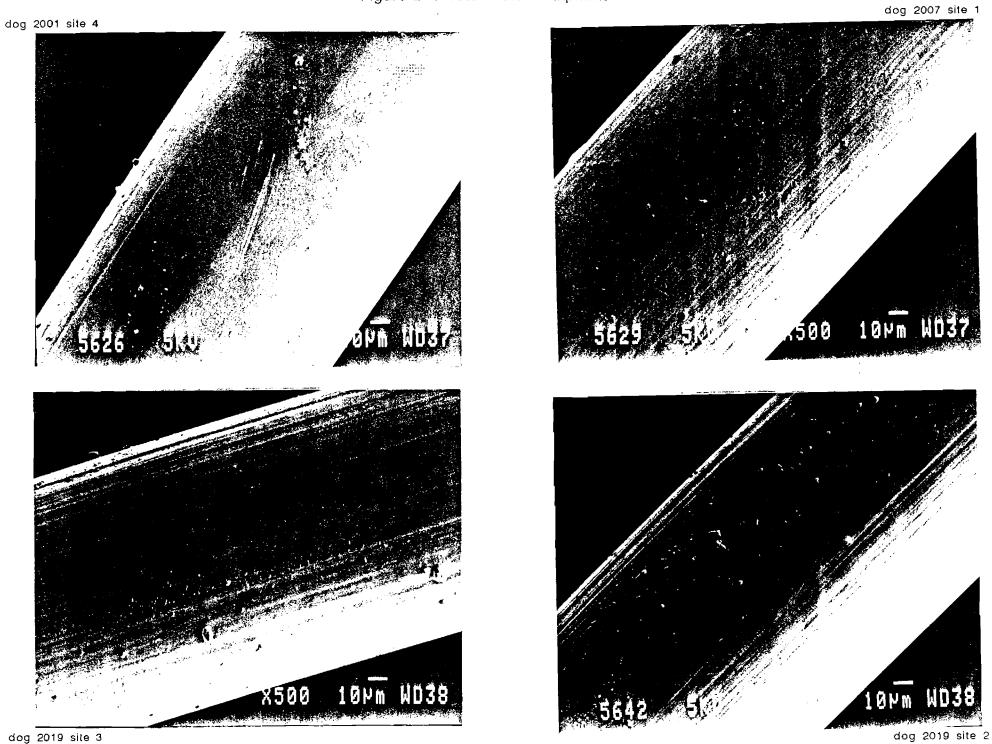


Figure 3A 7 Year Ethilon Explants



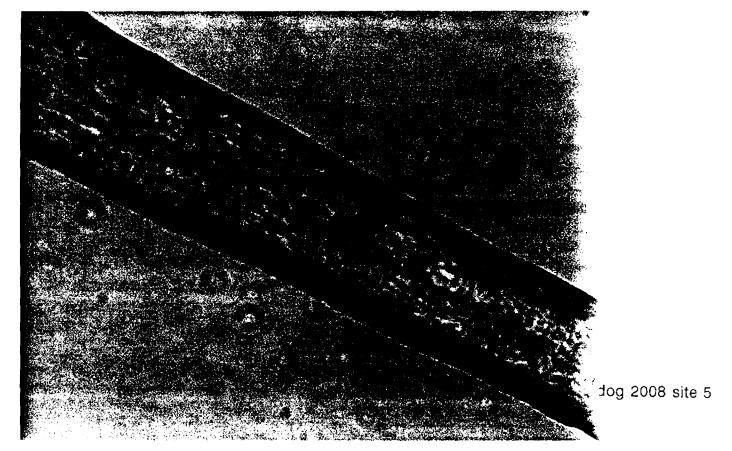


Figure 3B 7 Year Ethilon Explants

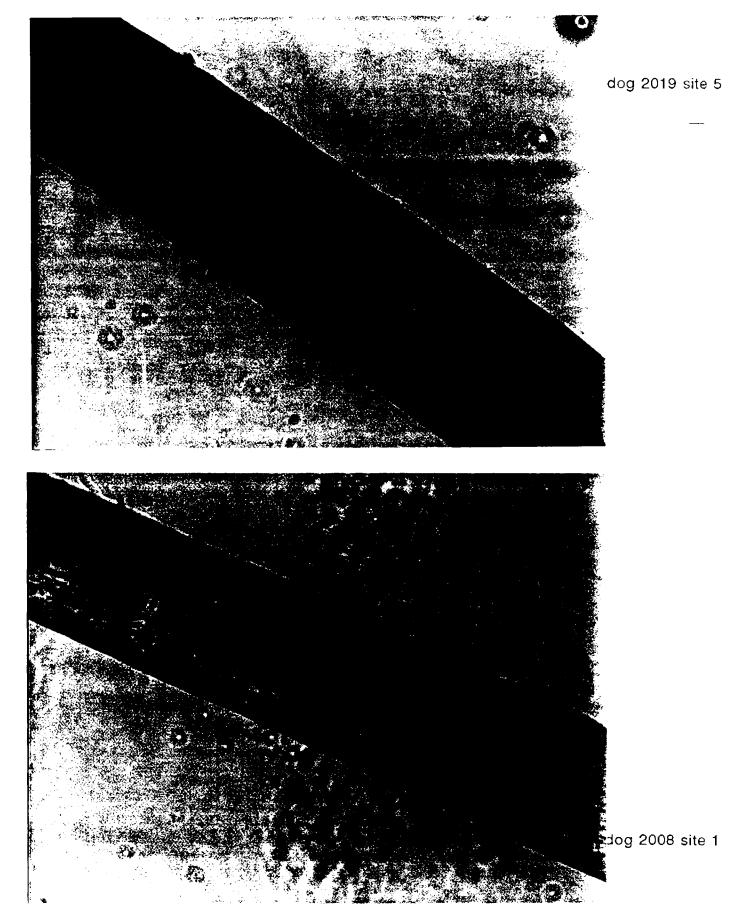
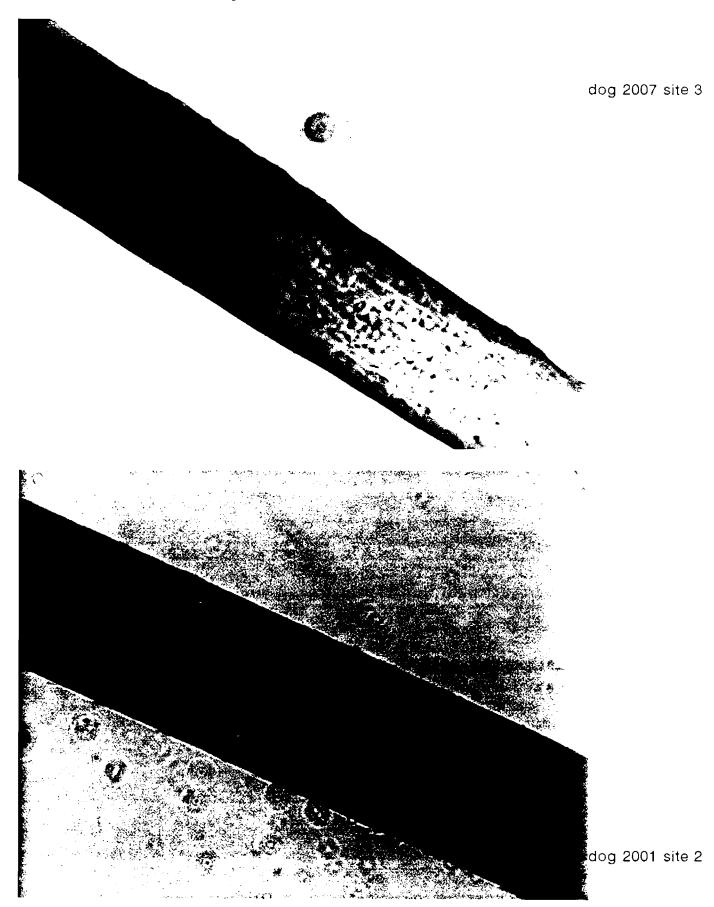
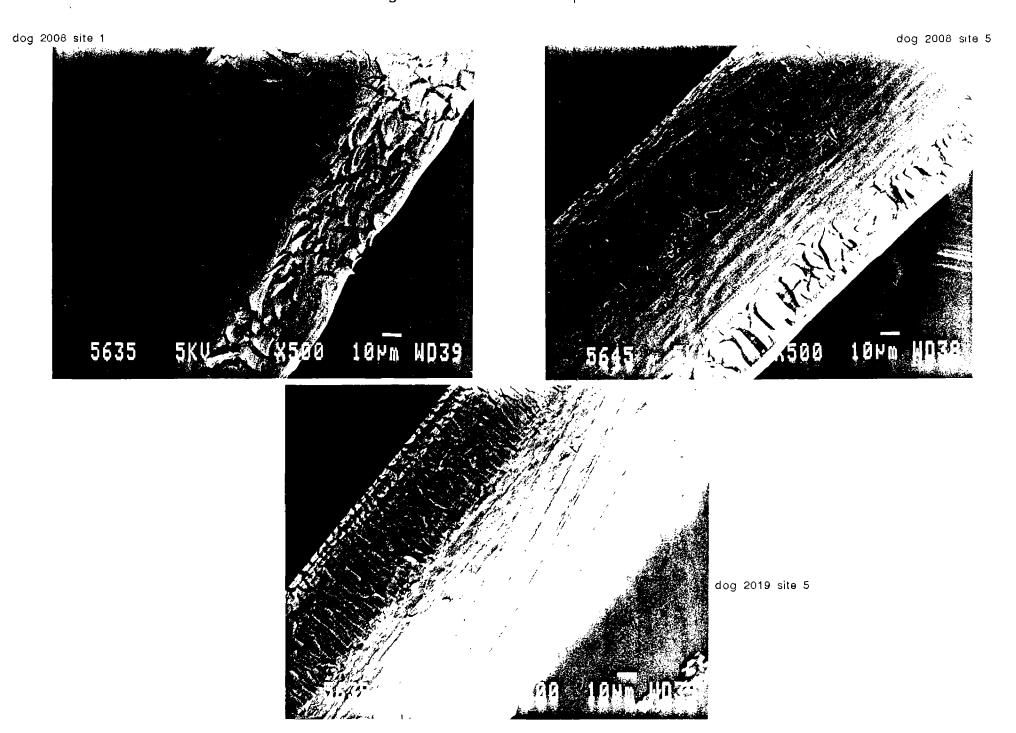


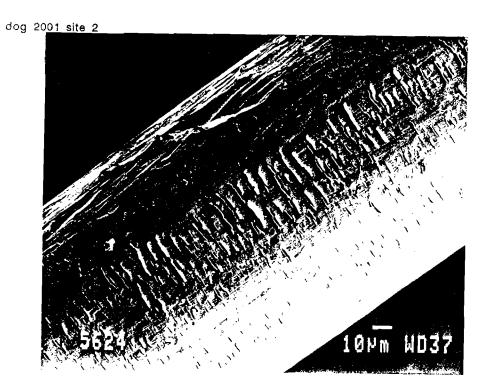
Figure 3C 7 Year Ethilon Explants

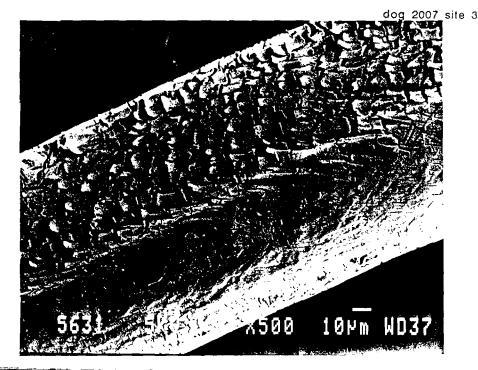


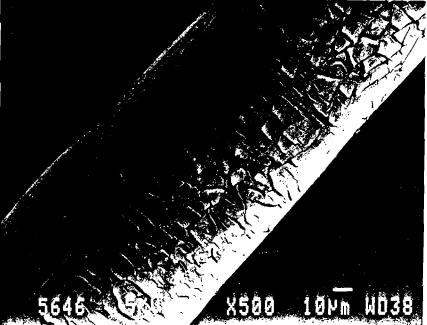


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Figure 4 7 Year Ethilon Explants







dog 2019 site 6

Figure 5A 7 Year PVDF Explants

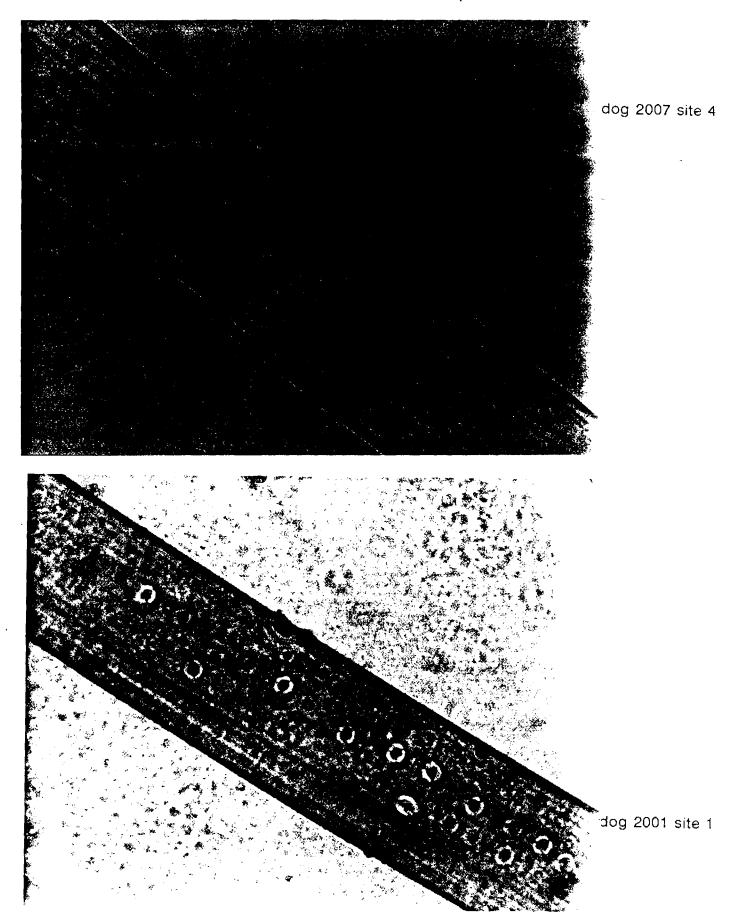


Figure 5B 7 Year PVDF Explants

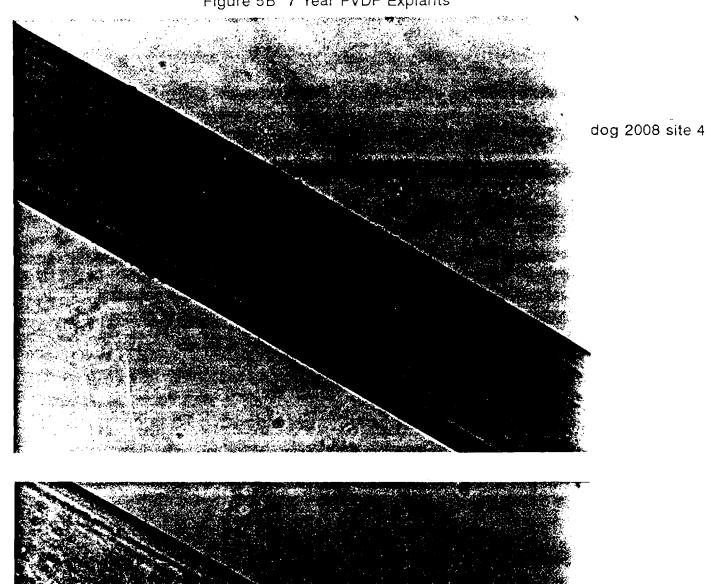
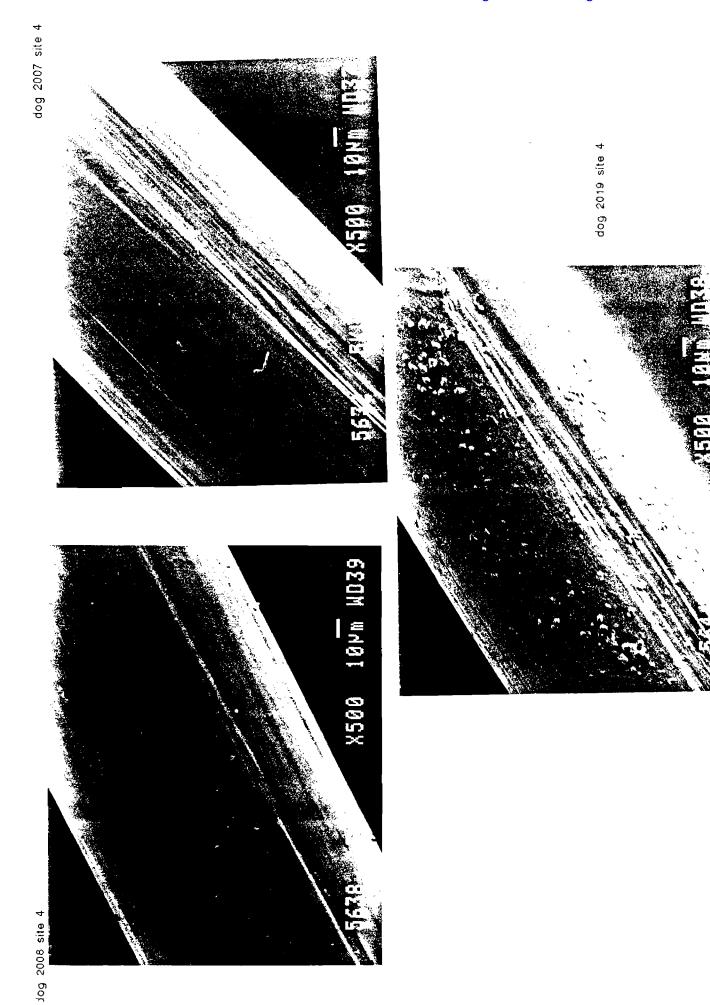


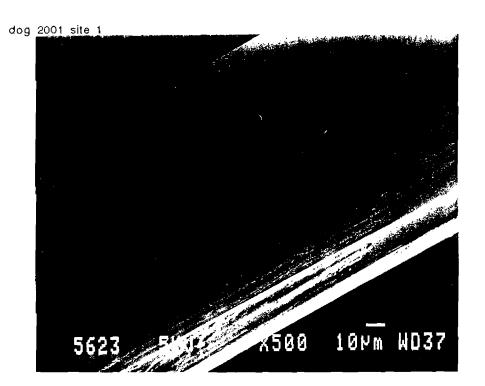


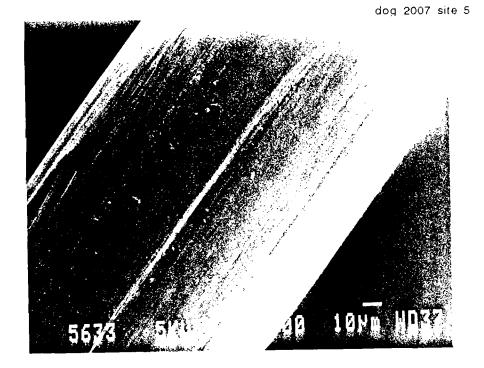
Figure 5C 7 Year PVDF Explants





Case 2:12-md-02327 Document 2205-21 Filed 05/14/16 Page 27 of 38 PageID #: 69505 Figure 6 7 Year PVDF Explants E. Lindemann 7/9/92 SR# 33985





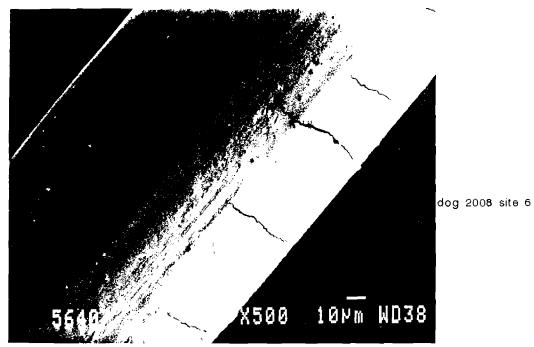


Figure 7A 7 Year Novafil Explants



Figure 7B 7 Year Novafil Explants

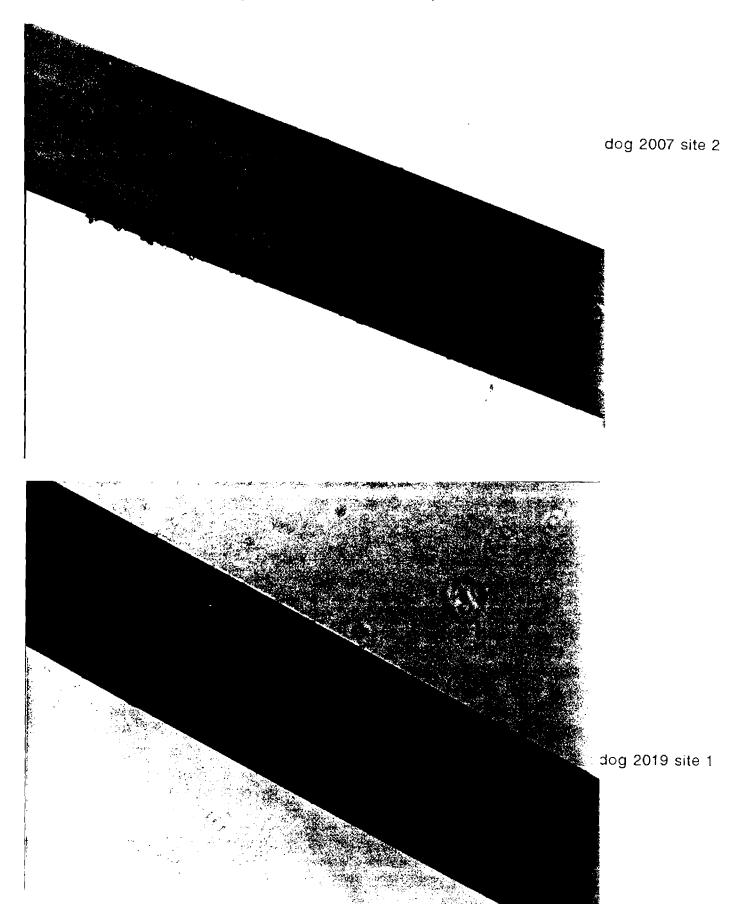
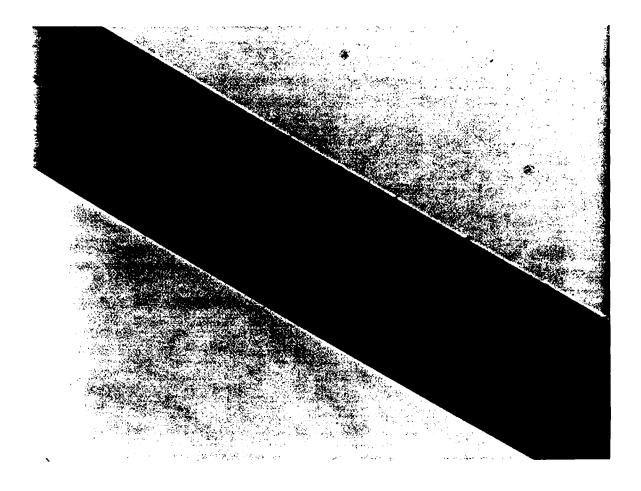


Figure 7C 7 Year Novafil Explants

dog 2008 site 3



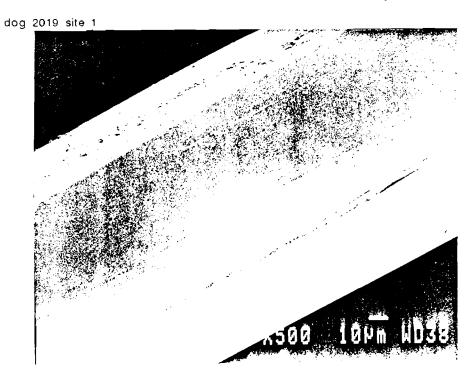


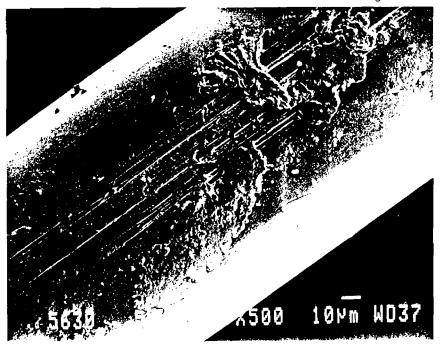


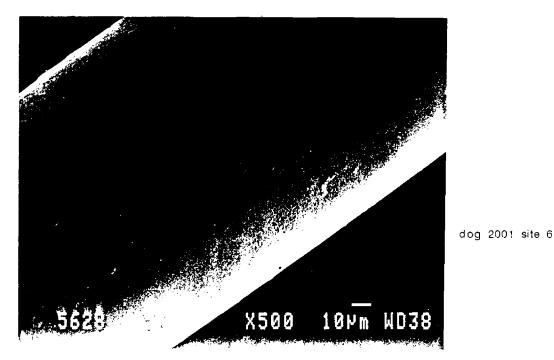
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Figure 8 7 Year Novafil Explants

dog 2007 site 2







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SAM	PLE CONTROL *
J	3028

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# **ANALYTICAL CHEMISTRY DEPARTMENT**

REQUESTOR	DEPARTMENT	EXT.	DATE SUBMITTED	PROJECT NO.	REQUESTOR'S MANAGER AUT	HORIZATION
V. AGARWAL	64523	X2205	June 239	16102	B. Matta	G0
SIZE 5-0, (DOG #		TYEAR EXPLA	wr)			
SAMPLE IDENTIFICATION SPECIAL STO 1. NOVAFIL SITE Z 2. ETHILON SITE Z 3. PYDF (Undyed) SILL 4. PVDF (Undyed) SILL 5. PROLENE SITE 6. PROLENE SITE SAMPLE DISPOSITION	, } 7 Ye	Pay Explau To Year Prola BSR Sti	NMR MS U/V	TLC (V) TO	SC (OM) %: 10 GA HSM 0, H,O MA (SEM) DYE MA EDXA CRYST EIN DATA	PPM ETO MONO COMP
0 CONTACT REO. 0 RETURN					NO. SAM	PLES
examined by FT-1R.	uh explort	were prepa IR spectrum	red as hot	pressed Lil	polypropylene Nova fil (- polybuthylene	Tonal 1
SITE 2-	NOVAFIC :	r	**	• •	Nova fil (- poly butoxy	ether.
SITE 3-	ETHIKON:	Α	~	*	Nylon 6 (ETHICON)	
Sitt 4~			• .		obvinglident fluen	ide
10/dq 15172 5			<u>.                                    </u>		polypopylin	
517E 6-			_	Poly	perpropyline consider fluoride	
ETHILON SITES 1.	<b>₹</b> 1	sbm R. Rey for	le NB 2	FBF 71 519-50	8/92	-
NOVAFIL SITE 2	14/MW 32,000 57,000	forgiale 18,000 27,000 Robin R. Rob MJ	MW/1 1.8	W B 25/9-5 Mw	- A	3-92- PZ
Prolene Site 1 Prolene Site 6	322,000	69,000 63,000	Current 4/0	324,000		
CONCLUSIONS/COMMENTS: Comparison of 7 year indicates no signific			Prolese sectus	REF. 18	2 file 34003 602-94	-
Eugene Muse	10/4/92 K)	YST RICHALL	Mar 19	DATE SECTION	MANAGER	DATE
ANALYSTISUPERVISOR	DATE ANAL	YST/SUPERVISOR	use 9	DATE DEPT MA	ANAGER	DATE
Fi 40 206 (Rev. 4785)		7			<del></del>	

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Case 2:12-md-02327 Document 2205-21 Filed 05/14/16 Page 34 of 38 PageID # 69512 SERVICE REQUEST 3 8 S S	3
REQUESTOR Samples to Dene Muse -> Dan Burbley Pol of 2-	ATIO
VISH AGARWAL 64523 X2205 19th May 42 16102 B. Mattage	
SAMPLE IDENTIFICATION, SPECIAL STORAGE CONDITIONS, PRECAUTIONS  Semple from Dog # 1995 on ERF 15-219  Long term Prolane study by the 10 molling NMR TEC TO TGA HSM 0, H,O  NOVAGII (Site 4) NOVAFIL (Site 5) DOG MS LC XRD TMA SEM DYE MONG  ETHILON (Site 1) PROLENE (Site 3) DIT JUNE OTHER.  SAMPLE DISPOSITION  ANALYSIS REQUESTED/PURPOSE:  IR)  MMR TEC TO TGA HSM 0, H,O  MMS LC XRD TMA SEM DYE MONG  U/V WET DEN DMA EDXA CRYST  OTHER.	
PVDF (Site 2) ETHILON (Site 1) RUMAN Selected protocol  **ATTACHED SENT TO SUPERVISORIANALYST TO SUPERVISORIAN	-
A ATTACHED  O CONTACT RED  RETURN  SER SR 33788 For SEM  NO. SAMPLES	6
performed on representative samples that exhibited surface creaking. The following Samples were examined by IR Microspectroscopy:  NOVAFIC (SITEH) } For these samples, the explant was examined and ETHICON (SITE I) } pictured by OM prior to examining by IR microspectroscopy.	8
ETHICON (SITE 1) ) pictured by Om prior to examining by IR micropatrons	py
PROLENE (STE 3)	
This sample was examined by IR microspectroscopy without	[
PROLENE (SITE 3).  This sample was examined by IR microspectroscopy without any sample preparation - after which it was gild coate and examined by SEM (see 5R 33788).	d
IR spectra obtained from IR microspectroscopy show no differences when comparing cracked ETHILLON with a "control" region of the same explant suture (a region that is not concled or discolored). The same can be said for Novatin as usell. However expected oxidation a bier bances associated with surface cracking would be marked by the exter carbonyl absorbances inherent in their materials. Suidence of exidation	
was observed for the PROLENE explant.	
All samples examined and commented on as described above were originally submitted with SR 33788.  Sobrithed with SR 33788.  Janut PD 5/22/92 5-19-92 72	
CONCLUSIONS/COMMENTS:	
Samples must be reproposated until tested. Thence you.	
ANALYST DATE ANALYST DATE SECTION MANAGER DA	ATE
AMALYST/SUPERVISOR DATE DEPT. MANAGER DATE OF MANAGER DATE OF MANAGER DEPT. MANAGER DE	ATE
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SAMPLE CONTROL # J 2095

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### **ANALYTICAL CHEMISTRY DEPARTMENT**

SERVICE REQUEST NO.	ANALYSIS REQUIRED	ANALYTICAL SUPERVISOR
33853	GPC, IR Identity	
	3/	
identity. From the SITE SITE Jog SITE 1995 SITE 4 SITE S	lantal Samples were pro 1 R Spectra generated, to 1 = ETHICON (Nylon 6), 2 = Prolese (polypropylene 3 = Prolese (polypropylene : Novatil (polybotylenetene : Novatil (" ETHICON (Nylon 6)	
	- Jam	R f. le 33853
- Construct to the Action Street	-	1K 41 (C 22827
Sample	IV/dlg.	·
Novafil (site4)	0. 73	
Novafil (sites)	0.82	and the second s
ETHILON(Site 1)	1.25.	
ETHILON (site 6)	1.24 Robin K	Rag lande NB 2519-31
moulticient	sample for prolene I	Via
Sample	sample for prolene I W MN MI	UMN
Nivafil (sty) 3	2,000 . 18,000	1.8
	4,800 184,800	Form 1.8
	• • •	
Ethslon (site) 6.		26
EthILON (site 6) 6	1,000 31,000	Robin Rlay and NB 2519-34
		100m 11 1104/0108 NB 25 17-39
althought there	was insufficient pany	to a 4/0 Proline suture
GPC. of Dog# 199	15 Site 3 was Compared	to a 4/0 Prolese suture
	MW MN	N
Dog#1995 Site3	327,000 59,000	
Current 4/0 Proleme	324,000 60,000	and the same of th
Results inde	cate no degradation	las taken place EPM 2362-94
	J	
	•	
AMALYST SIGNATURE	DATE / REFERENCE	
JAM K. WILL MUL	9/2/10)	
SUPERVISOR SIGNATURE	DATE ANALYTICAL DEPT M.	ANAGER DATE
		• •

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SAMPLE CONTROL # 12	md_02227
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## ANALYTICAL CHEMISTRY DEPARTMENT

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211100	
34180	

REQUESTOR	DEPARTMENT	EXT.	DATE SUBMITTE	D PROJECT NO.	REQUÉSTO	R'S MANAGER AUTHORIZ	'ATIOI
V. AGARWAL	64523	X2205	Tuly 27 9	12 1610	2		
(DOG- 2019) (7 YEA	R EXPLANT.	<del>/</del>	<del></del>				
SAMPLE HOENTIFICATION, SPECIAL ST  1. Prolene Site 2  L. ETHILON SITE  3. ETHILON SITE  4. NOVAFIL SITE  5. PVDF SITE 4	5 Dog 7	PRECAUTIONS 5-0 Sau 7 2019 Y Emplant en fur lo	NMS MS U/V	LC XAD WET DEN	DSC OM		ETC O COMP
SAMPLE DISPOSITION	Pro léa SUPERVISORIANALYS	T MUSE  BURK	tudy	1 ON	5R 3409	7	
O RETURN		-LINDEN	CAN 20-55-			THE SAME LES	
TESTREPORT Samples pro	epared as h SITE 1: SITE 2:1	IR spectrum R spectrum	. Currespond	to Novo	J'		
	SITE 4:		(s)	PUDA	_		
	SITE 5: "		11 II	ETHILO	}		
	SITE 6:		~~~	ETHILO	λ	178 / 8/s	-/9>
SAMPLE IV	dig '	Joe proces	4 1V		Janu	+	/ · <del>-</del>
ETHILDN SITES 1.	10						
ETHILON SITE 6 11 NOVAFIL SITE 1 0 Smanflicient on SAMPLE ETHILON SITES	.87 K	bin Rky	land v	B 2519-	-69		
Insufficient so	uple for	prolene I	V				
ETHILON SITES	100  M	) ((Y) ) ((Y)	$\frac{100}{2}$ $\frac{1}{4}$	•			
ETHILDN site 6	74,000 2	2,000	3.3			,	
$P_{i}$	32,000 1	3,000	2.4				
	K	bin Alley	1/Ca 1	IB 2519-	-71		
Current Parls of	Mw 324 000	Mr.				7-28-92 2	
Dog#2019 Site 3	324,000 331,000	60,000					
Dog# 2019 Site2	332,000	57,000					
constusionsicomments Comparism of Typan , no molecular weigh	explants to	current pri	olene indi	eate AE	1R file 34 2562-94	1180	
	<del> </del>	<del></del>	· · · · · · · · · · · · · · · · · · ·				
analyst A	8/5/92 AMAL	sin R-Kul	aller -	0ATE SEC	TION MANAGER	OA	ATE
ANALYST/SUPERVISOR /	DATE ANALY 10/4/92 Car	STISUPERWSOR	se	PATE DEF	T. MANAGER	D <sub>i</sub>	ATE
É1-40 206 (Fier 4/85)	ΑIĆ	LYTICAL CHE	MISTRY DEPT	COPY			

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I 2261	~ ~	CON. INC.	34066
REQUESTOR	DEPARTMENT - EXT.	DATE SUBMITTED PROJECT NO.	REQUESTOR'S MANAGER AUTHORIZATION

-	
,	AGARWAL 64523   2205 July 2'92 16102
	MPLE IDENTIFICATION, SPECIAL STORAGE CONDITIONS, PRECAUTIONS  ANALYSIS REQUESTEDIPURPOSE
	Year Explant Samples from 10-Year Prolendin GC GPC DSC OM 0, PPM O, H,O ETO
	PIZE 5-0 / (1) Prolene Site #2 MS LC XAD THA (SEM) DYE MONO
	OG # 2008(2) PVDF Site # 6
•	3) ETHILON Site #5
	MPLE DISPOSITION G PVDF SIX # 4 (5) NOVAFIL SIXE #3
1	ATTACHED SENT TO SUPERVISOR/ANALYST & ETHILON SILE #
Ī	RETURN NO. SAMPLES
إ	Please keep the samples refrigerated until tested
	e_dest_00_dest_00
	STREPORT FOR IR Identity, a sample of each explant was hot-pressed into a film on
	the but stage, followed by IR examination.
	SITE 1- ETHICON: IR Spectrum obtained corresponds to Nylon 6
	SITE Z - PROLENE " " polypropylem
	SITE 3 - Novafil: " poly but place teryshthal at - poly but wayett
	SITE 4- PUDF: " " plyvinglidene Hvarida
	SITE 5- ETHEN! " Nylin6
	SITE 6- PUDF: " polyving liden Floorida
r	site of the state
	all it spectre writy the identity of the subject installed
	7/9/92 Janut 7 2
	SAMIE IV/dlg MW MW
ļ	[HILON #   # D.95 Dog# 2008 SHe 2 322,000 53,000
ŀ	HILON#5 1.28 Current Proleye \$10, 324,000 60,000
- 1	OVAFIL #3 0.79 Bean Relyland NO 2519-50 2562-94
1	Insufficient sample foreproline IV
1	AMPIE MW MW/MN
ع ا	
	THILDN site# 53,000 27,000 2.0
	THILAN site 5 59,000 28,000 2.1
1	Ovafil site #3 32,000 18,000 1.8 Robin R. Raylond NB 2519-52 7-2-92
	Robin K. Kay/Only NB 2519-52 7-2-92
[	MCLUSIONS/COMMENTS:  REF IR File 34066
	Comparism of current prolene 4/0 Stature indicates no significant Plasadation of Tyrepplant
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	AUYST DATE ANALYST A DATE SECTION MANAGER DATE
	Date ANALYST DATE DATE DATE DATE DATE
7	ALYSTISUPERVISOR DATE ANALYSTISUPERVISOR DATE DEPT. MANAGER DATE
L	2006 Gene Muse 10/9/92 Congre Muse 9/2/62
Е	1206 (Part 4/85)

ACCESSION 85-219 PROJECT NO. 16102

#### EXPLANTATION PROCEDURES and SAMPLE DISTRIBUTION

Notify the following people of upcoming explant dates:

Nancy Myirski, x2743: Microscopic inspection — someone from her group will come to inspect the sutures under the dissecting scope under the hood. Samples should be placed after dissection from dog into saline-moistened paper towels labelled with the ERF acc. no., dog no., site no., suture type and date.

(Ann Leibold was inspector @ 2 yr. time period, 6/87)

Frank Schiller, x3040: SEM - An Analytical Chemistry Service Request form must be filled out and accompany each set of samples.

Put the sample control number on the top left corner of the sample label. Make one copy for our file and one to send with the samples. Mail original to Dr. A. Melvegar. Label samples the same as for above.

Implantation (Stef or Dan?)

Kevin Sullivan, x2997: Instron - Submit samples after the microscopic inspection, while moist. Fragments are saved in their respective towels for next tests. Refrigerate if there will be a delay between inspection and instroning.

Gene Muse, x3046: Molecular weight - Deliver moist suture fragments after Instroning.

After testing he will deliver samples to Dan.

Dan Burkley, x3048: I.R. - Receives samples from Gene. Will discard samples when testing is completed.

Explant samples in consecutive order. Dissect both LC100's (dorsal and ventral) from surrounding connective tissue, carefully stripping tissue from the suture surface. Cut one of the LC100's off the sutures at the clip and gently pull the suture bundle through the tissue by gripping the remaining LC100. When free of tissue, moisten with saline and separate one strand from the bundle. Place this strand into a large (15 ml) red-top tube filled with sterile water and labelled as described above. The other 5 strands per bundle are placed in moistened paper towels labelled as described above. The single sutures in tubes are submitted for SEM and the remaining strands are inspected microscopically and tested on the Instron, etc. as described above.

\* A request forms perdog: - 1 for 52M + 0M + 1R nicroscopy for the Samples going to J. McVery

Have JOP sign each + - 1 for 1R, EPC + IV for the pend to A. Melvegar. - fragments going to g. Muse + D. Potrbley